

A Two 2 1/2 Day Workshops on

ACHIEVING ZERO ACCIDENTS

by discovering hazards through reviews and investigations

CEPP Seminar Room, UTM City Campus, Kuala Lumpur

A 2 1/2 Day Workshop on

WORKSHOP A

Process Hazard Review Training: Conducting Hazard Reviews to Improve Safety and Productivity

20-22 November 2006



A 2 1/2 Day Workshop on

WORKSHOP B

Incident Investigation Training

22-24 November 2006

What previous participants have said about these workshops.....



“Course scope is comprehensive and this course provided me with the foundation to build a great safety program at my company.”

“Would grade this workshop as an A+++ . The content was well prepared and the speaker is very knowledgeable and experienced.”

“Compact, accurate, practical. Great course!”



organised by

CEPP
Chemical Engineering
Pilot Plant

WORKSHOP A

A 2 1/2 Day Workshop on
Process Hazard Review Training:
**Conducting Hazard
Reviews to Improve Safety
and Productivity**



Introduction

Why wait until accidents happen to fix problems? The best way to prevent mishaps is to determine the hazards in advance. Conducting effective hazard evaluations and taking corrective actions to fix problems are essential for controlling risks. This course will provide practitioners with the skills to evaluate hazards and find problems that could eventually result in injuries, environmental releases, operational upsets, and business losses. Our instructors – who have conducted numerous hazard and operability assessments for various organizations and have published articles on leading and conducting evaluations – will use their experience to teach participants how to conduct effective analyses. The use of best practices to conduct hazard reviews will also be discussed.

Our instructors have conducted several hazard reviews in a variety of process and manufacturing settings. They have also published numerous articles about conducting hazard reviews. Workshop participants will learn how to use a variety of qualitative techniques to make their processes safe and improve performance. They will do real-life exercises to illustrate points. The resources provided will help attendees to choose the appropriate method and apply them correctly.





what you will learn...

Attendees will learn

- » How to develop a hazard review system that can be integrated into existing management systems
- » How to use a variety of techniques, such as Hazard and Operability Analyses, What-If, and Checklists for different processes and during all phases of operation
- » How to make cost-effective recommendations to improve safety and operations
- » How to determine the scope for a review
- » Setting up the logistics for a meeting, including selecting a team
- » Leading and facilitating discussions to getting participation from all members
- » How to identify, collect, and analyze necessary information for the review
- » How to modify the review techniques to cover any situation
- » Common “traps” in hazard reviews and how to avoid them
- » How to report findings and observations
- » How to treat facility siting and human factors in hazard reviews

who should attend

This workshop is ideal for:

-  Managers, process engineers, safety professionals, operators, auditors, and other individuals in manufacturing settings who want to know how to conduct effective hazard and operability reviews
-  Individuals in academia, government, or other positions who want to know more about conducting hazard reviews from experts

A 2 1/2 Day Workshop on

Incident Investigation Training



Introduction

When accidents happen, we must learn from them to keep them from happening again. Incident Investigation is a critical aspect of any safety program. The ability to learn from accidents and near-accidents is vital to improving both safety and operability. This course will teach participants to understand the nature of accidents, determine their causes, and prevent future accidents. Several case studies, many of which our instructors personally investigated, will be discussed to emphasize points and allow attendees to practice their skills.

Our instructors have conducted several incident investigations in industry and for the US government, and they have a vast amount of knowledge and experience in the area of investigations. At the end of the workshop, participants will have clear understanding of how to conduct incident investigations for all types of accidents and how to focus efforts to prevent future problems. The resources provided will equip attendees to create systems that are necessary for achieving zero incidents. Attendees will get to practice their skills by doing several real life exercises, which will provide them with further knowledge and confidence.





what you will learn...

Attendees will learn

- » How to develop effective incident investigation systems that can be smoothly integrated into existing management programs in large or small organizations
- » How to define near-misses
- » How to analyze accident trends and take proactive steps to prevent future problems
- » How to determine root and contributing causes of accidents using various methods, and how to choose an appropriate method depending on the nature of the accident
- » How to secure, collect, and analyze evidence and testimony, including effective interviewing techniques
- » How to make cost-effective recommendations and follow them to completion
- » How to tailor investigation techniques to cover environmental, safety, health, quality, and productivity mishaps
- » Common "traps" in investigations and how to avoid them
- » How to report findings and observations
- » Aspects of human factors to consider in incident investigations

who should attend

This workshop is ideal for

-  Managers, process engineers, safety professionals, operators, auditors, and other individuals in manufacturing settings who want to know how to conduct effective hazard and operability reviews
-  Individuals in academia, government, or other positions who want to know more about conducting hazard reviews from experts

REPLY FORM

A Two 2 1/2 Day Workshops on ACHIEVING ZERO ACCIDENTS BY DISCOVERING HAZARDS THROUGH REVIEWS AND INVESTIGATIONS

CEPP Seminar Room, UTM City Campus, Kuala Lumpur

Further **5%** discount is offered
to companies who register 3 or more
participants in the same workshop

Registration fee	Local participants	International participants
WORKSHOP A (WA)	RM2050.00	USD1050.00
WORKSHOP B (WB)	RM2050.00	USD1050.00
WORKSHOP A + B (WAB)	RM3500.00	USD1950.00

(Fee is inclusive of lunch, refreshments and course materials.
Accommodation is not included)

■ YES ! I would like to register the following participants

Please tick (✓) where appropriate

(WA) (WB) (WAB)

Name 1 _____

Job Title _____

(WA) (WB) (WAB)

Name 2 _____

Job Title _____

(WA) (WB) (WAB)

Name 3 _____

Job Title _____

AUTHORISED Signatory (*This registration is invalid without signature form an authorised officer)

COMPANY INFORMATION

Company _____

Address _____

Town _____

State _____

Tel _____ Fax _____

Name _____

Job Title _____

Tel _____ Fax _____

Staff from more than 300 local and overseas companies
have attended our life-long learning programmes.

Some of these companies are :

PETRONAS, SHELL, BP, SAUDI ARABIA BASIC IND. CORP. (SABIC),
QATAR LNG, ALMARAI (SAUDI ARABIA), IDEMITSU, EASTMAN
CHEMICALS, BASF PETRONAS, KUWAIT INSTITUTE for SCIENTIFIC
RESEARCH, YOZAI etc.

TUTOR



STEPHEN J. WALLACE, PE, CSP

Stephen J. Wallace, PE, CSP has several years of experience in the chemical and petrochemical industries working with a variety of process technologies. He has been an operations manager in the chemical industry where he oversaw production. As a manager of health and safety, he oversaw the development and implementation of comprehensive process safety programs, including emergency response. The facilities where he worked won numerous awards and were designated among the safest facilities in the US by the Occupational Safety and Health Administration. As a safety consultant, he has assisted numerous companies in developing comprehensive and has also audited several facilities in the US and abroad.

Mr. Wallace has given several presentation and written numerous articles on the subject of health and safety that have been published in a variety of journals, including Professional Safety, Loss Prevention Bulletin, Process Safety Progress, and Hydrocarbon Processing. He is currently writing the Best Practices Section of the American Society of Safety Engineer's Handbook, due to be published late in 2006.

Mr. Wallace holds a Bachelor of Science in Chemical Engineering. He is a Certified Safety Professional Engineer licensed in multiple states in the US.

Approved Training Provider by the Ministry of Human Resource (Reg. No 0451)

Method of payment

Please kindly complete and return the reply form **3 weeks** before the commencement date together with :

Local Participants

Cheque / Bank draft which are made payable to PHYTO BIZNET SDN. BHD.

International Participants

Direct Transfer/Bank Draft:

CEPP Bank details: **Bumiputra Commerce Bank Berhad,**
Universiti Teknologi Malaysia
81310 UTM Skudai, Johor, Malaysia

Please instruct your bank to remit us the full amount, net of bank charges

Account No : **0118 - 0004178 - 05 - 7**

Cancellation & Substitutions

A full refund will be promptly made for all written cancellations 2 weeks before the workshop. 50% refund will be made for written cancellations received 7 days before the meeting. A substitute may be made at any time.

NOTE The organiser has the right to make any amendments that they deem to be in the best interest of the workshop and to cancel the course if insufficient registrations are received a week before workshop commencements date .

For more information please contact us at :-

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Please visit our website for more training programmes

www.cepp.utm.my